

PART No MATRIX

Y	Y	X	0	3	3	X	X	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

YY= ULTRA LOCK 2.0 DOUBLE ENDED
POLES:
8 = 8 POLES
HEADER :
033 = FEMALE RIGHT ANGLE
- MALE RIGHT ANGLE
CABLE:
E02 - 8x0.25 PVC BLACK
B41 - 8x0.25 WSOR BLACK
H08 - 8x0.25 PUR-LSOH BLACK
UNIT:
M = METER
F = FEET
C = CENTIMETER
T = 10M
LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m
OVERMOLD:
BLANK = STANDARD BRAD:
-YELLOW IN THE USA
-BLACK IN EUROPE
A = GREY
E = RED
G = BLACK
Y = YELLOW
H = STD. COLOUR WITH TWO ID-TAG CARRIERS

CABLE LIST

8P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR	FIXED INSTALLATION *		FLEXIBLE INSTALLATION **		DRAG CHAIN	
					MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
X	E02	8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM	PVC	BLACK	-30°C	+80°C	-10°C	+80°C	NOT SUITABLE	
X	B41	CABLE 8X0.25 TPU BK D6.40 TPE UNSH DCS	PUR WSOR	BLACK	-40°C	+90°C	-25°C	+80°C	-5°C	+60°C
X	H08	CABLE PUR;BLK 8X0.25MM-LSOH;UL OD=6.10	PUR-LSOH	BLACK	-40°C	+80°C	-25°C	+80°C	+5°C	+60°C

* FIXED POSITION WITHOUT ACCIDENTAL CRUSHING OF VIBRATION.
** FREE MOTION WITHOUT PERIODIC RECURRENCE OR FORCED GUIDANCE.

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
2	8	CONTACT 8 FE TUR AU	BRASS	GOLD OVER NICKEL PLATED
3	1	PLG U12 8P AC FE PA UNSH	-	-
4	2	OVERMOLD	TPC	SEE MATRIX
5	8	CONTACT 8 MA TUR AU	BRASS	GOLD OVER NICKEL PLATED
6	1	PLG U12 8P AC MA PA UNSH WT	-	-
7	SEE PN MATRIX *	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT

* IF IN MATRIX IS "H" - ADD ID-CARRIERS ON THE BOTH SIDES HARNESS

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (mm)
1204010133	YY8033E02M010	1000
1204010134	YY8033E02M020	2000
1204010135	YY8033E02M050	5000
1204010136	YY8033E02M100	10000
1204010137	YY8033B41M010	1000
1204010138	YY8033B41M020	2000
1204010139	YY8033B41M050	5000
1204010140	YY8033B41M100	10000
1204010141	YY8033H08M010	1000
1204010142	YY8033H08M020	2000
1204010143	YY8033H08M050	5000
1204010144	YY8033H08M100	10000

FUNCTIONAL SYMBOLS

DIVISIONAL SYMBOLS

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CURRENT REV DESC: NOTES AND CABLE LIST UPDATED

EC NO: 736602
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: MDHARMANTI
APPR: RSILLER

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SHEET NUMBER

A3-SIZE

120401

DOCUMENT NUMBER

1204010133

DOC TYPE

PSD

DOC PART

000

REVISION

A1

MATERIAL NUMBER

SEE PART LIST

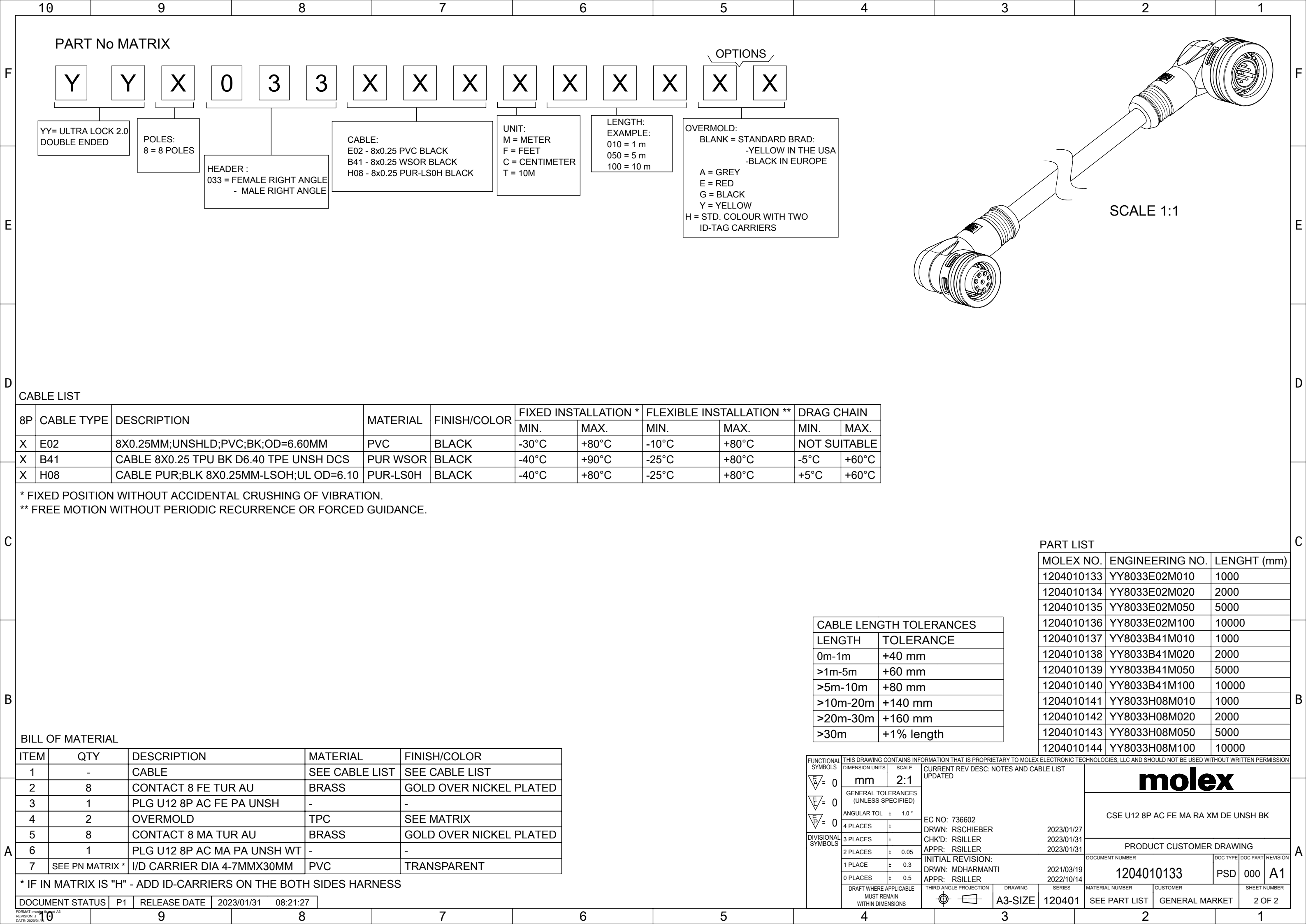
CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 2

SCALE 1:1

[illegible]

F

E

D

C

B

A

PART No MATRIX

Y Y X 0 3 3 X X X X X X X X

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DOUBLE ENDED

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SCALE 1:1

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X	H08	CABLE PUR;BLK 8X0.25MM-LSOH;UL OD=6.10	PUR-LSO H	BLACK	-40°C	+80°C	-25°C	+80°C	+5°C	+60°C

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BILL OF MATERIAL

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7	SEE PN MATRIX *	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT

* IF IN MATRIX IS "H" - ADD ID-CARRIERS ON THE BOTH SIDES HARNESS

FUNCTIONAL SYMBOLS

= 0

= 0

= 0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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EC NO: 736602

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

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APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/01/27

2023/01/31

2023/01/31

2021/03/19

2022/10/14

A3-SIZE

120401

SEE PART LIST

GENERAL MARKET

2 OF 2

molex

CSE U12 8P AC FE MA RA XM DE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1204010133

DOC TYPE PSD

DOC PART 000

REVISION A1

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (mm)
1204010133	YY8033E02M010	1000
1204010134	YY8033E02M020	2000
1204010135	YY8033E02M050	5000
1204010136	YY8033E02M100	10000
1204010137	YY8033B41M010	1000
1204010138	YY8033B41M020	2000
1204010139	YY8033B41M050	5000
1204010140	YY8033B41M100	10000
1204010141	YY8033H08M010	1000
1204010142	YY8033H08M020	2000
1204010143	YY8033H08M050	5000
1204010144	YY8033H08M100	10000

FORMAT: moxa-16-mca3

REVISION: J

DATE: 2020/01/11

F

E

D

C

B

A

PART No MATRIX

Y

YY= ULTRA LOCK 2.0
DOUBLE ENDED

Y

POLES:
8 = 8 POLES

X

HEADER :
033 = FEMALE RIGHT ANGLE
- MALE RIGHT ANGLE

0

3

3

X

CABLE:
E02 - 8x0.25 PVC BLACK
B41 - 8x0.25 WSOR BLACK
H08 - 8x0.25 PUR-LSOH BLACK

X

UNIT:
M = METER
F = FEET
C = CENTIMETER
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X

X

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EXAMPLE:
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X

X

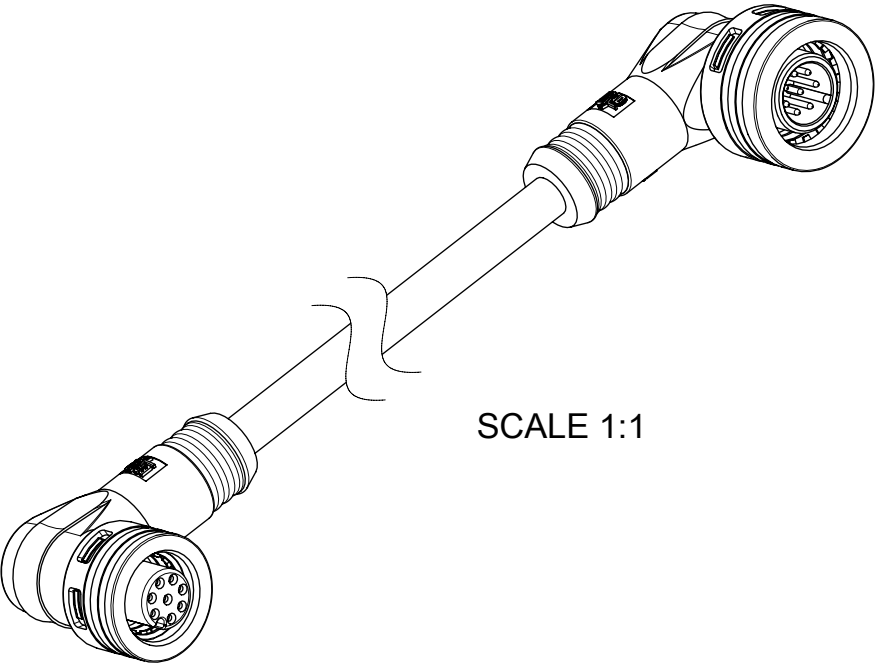
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X

X

SCALE 1:1



CABLE LIST

8P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR	FIXED INSTALLATION *		FLEXIBLE INSTALLATION **		DRAG CHAIN	
					MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
X	E02	8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM	PVC	BLACK	-30°C	+80°C	-10°C	+80°C	NOT SUITABLE	
X	B41	CABLE 8X0.25 TPU BK D6.40 TPE UNSH DCS	PUR WSOR	BLACK	-40°C	+90°C	-25°C	+80°C	-5°C	+60°C
X	H08	CABLE PUR;BLK 8X0.25MM-LSOH;UL OD=6.10	PUR-LSOH	BLACK	-40°C	+80°C	-25°C	+80°C	+5°C	+60°C

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BILL OF MATERIAL

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DOCUMENT STATUS	P1	RELEASE DATE	2023/01/31	08:21:27

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
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1204010140	YY8033B41M100	10000
1204010141	YY8033H08M010	1000
1204010142	YY8033H08M020	2000
1204010143	YY8033H08M050	5000
1204010144	YY8033H08M100	10000

FUNCTIONAL SYMBOLS

= 0

= 0

= 0

DIVISIONAL SYMBOLS

4 PLACES

±

3 PLACES

±

2 PLACES

±

0.05

1 PLACE

±

0.3

0 PLACES

±

0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DIMENSION UNITS

mm

SCALE

2:1

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2023/01/27
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THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120401

DOCUMENT NUMBER

1204010133

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 2

PRODUCT CUSTOMER DRAWING

molex

CSE U12 8P AC FE MA RA XM DE UNSH BK

DOC TYPE

PSD

DOC PART

000

REVISION

A1

[illegible][illegible][illegible]

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SCALE 1:1

CABLE LIST

8P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR	FIXED INSTALLATION *		FLEXIBLE INSTALLATION **		DRAG CHAIN	
					MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
X	E02	8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM	PVC	BLACK	-30°C	+80°C	-10°C	+80°C	NOT SUITABLE	
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1204010138	YY8033B41M020	2000
1204010139	YY8033B41M050	5000
1204010140	YY8033B41M100	10000
1204010141	YY8033H08M010	1000
1204010142	YY8033H08M020	2000
1204010143	YY8033H08M050	5000
1204010144	YY8033H08M100	10000

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FUNCTIONAL SYMBOLS

DIVISIONAL SYMBOLS

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molex

CSE U12 8P AC FE MA RA XM DE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1204010133
DOC TYPE: PSD
DOC PART: 000
REVISION: A1

SHEET NUMBER: 2 OF 2

A3-SIZE 120401 SEE PART LIST GENERAL MARKET

[illegible]

10

9

8

7

6

5

4

3

2

1

PART No MATRIX

Y

Y

X

0

3

3

X

X

X

X

X

X

X

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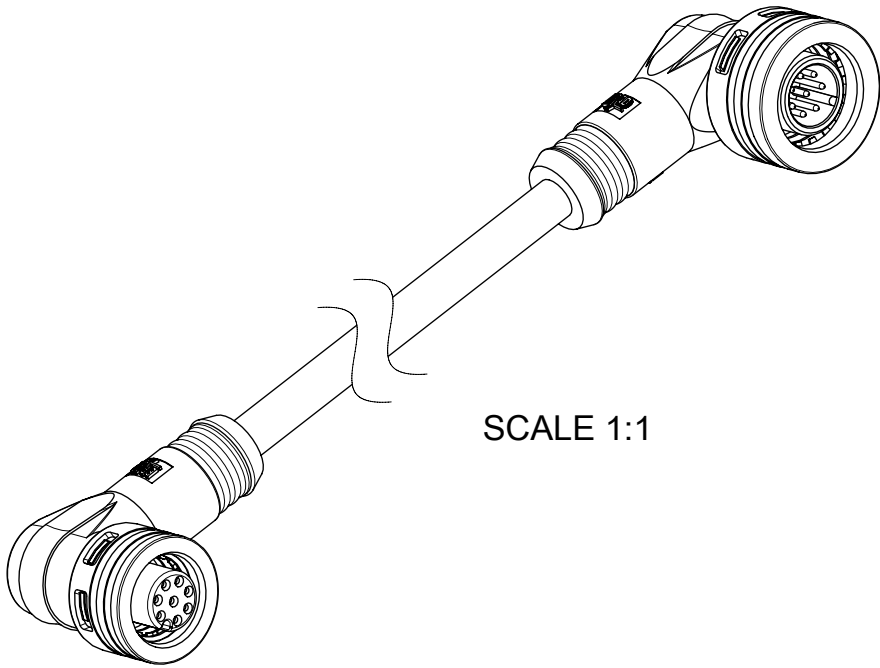
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A3-SIZE

SERIES

120401

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 2

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

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1 PLACE ± 0.3

0 PLACES ± 0.5

DOCUMENT NUMBER

1204010133

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PSD

DOC PART

000

REVISION

A1

molex

CSE U12 8P AC FE MA RA XM DE UNSH BK

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P1

RELEASE DATE

2023/01/31 08:21:27

10

9

8

7

6

5

4

3

2

1

[illegible]